

technical data sheet

BOSCOLASTIC

Two-Component Highly Flexible Cementitious Waterproofing Coating

DESCRIPTION

Boscolastic is a 2-component flexible acrylic polymer cementitious waterproofing coating that is mixed on site and resurfaced on concrete and other construction materials to waterproof. Boscolastic has excellent weathering resistance and crack bridging property.

USES

- Concrete Water Tanks
- Bathrooms, Balconies, Terraces
- Swimming Pools and Pool Decks
- Water Features and Ponds
- Planter Boxes, Canopies

FEATURES

- Flexible and elastic, can bridge over cracks
- Accommodates flexible movements in suspended structures
- No primer required
- Can be tiled over successfully
- Able to withstand heavy topping without fracture
- Can be applied to damp substrates
- Can be painted over with elastic paint

TYPICAL PROPERTIES

Form	Grey Power White Milky Liquid
Binder	Cement
Extender	Selected fine silica
Resin	Acrylic Polymer
Adhesion to concrete	>0.6 N/mm ²
Tensile Strength – ASTM D412-92	>2 N/mm ²
Elongation at Break ASTM D412-92	>250%
Crack Bridging	>2mm

Shore A Hardness	>70
Resistance to Water Penetration DIN1048: Part 5	No penetration @ 0.2 kgf/cm ² for 6 hours
Water Vapour Transmission ASTM E96-00	12 g/m ² /day
Pot Life 20°C (mixed)	45 mins to 1 hour
Set to Touch 20°C	Within 2 hours
Final Set 20°C	4 – 6 hours

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

All substrates shall be sound and free from dust, excess mortar, oil or other loose particles. Cracks or honeycombs shall be repaired using suitable cement mortar.

DAMPEN

All concrete and cement substrates shall be saturated with clean water before applying Boscolastic waterproof coating. No freestanding water is present during application.

MIXING

Empty liquid component in a clean mixing container, and slowly add the Power component whilst stirring using a slow speed (500-600 rpm) heavy-duty electric drill with a suitable paddle. Minimal amount of water may be added to ease application only when necessary. Small amounts may be hand-mixed separately.

Mix until homogeneous slurry is obtained and make sure that no unmixed power is left at the bottom of the container.

PLACING

The mixed Boscolastic can be applied onto the prepared substrate using a bristle brush or block brush.

The application of Boscolastic can be done in one or two coats depending on the manufacturer's specification. When more than one coat is necessary to achieve the desired thickness, apply the subsequent coats after 1-2



hours curing of the previous coat.

Allow at least 18 hours curing of the finished coat (subject to touch dry) before laying screed or tiling. Water test can be ducted after the same duration.

CURING

The finished Boscolastic waterproofing must be protected from rapid drying. Curing of Boscolastic shall be at least 24 hours before trafficking, to yield optimum strength.

CLEAN-UP

All tools, equipments and surrounding areas can be cleaned with clean water before the products sets. Hardened material has to be mechanically removed.

PACKAGING

Boscolastic is packed in 35 kg set.

COVERAGE

Approx. 17m²/35 kg at 2 coats coverage, subjected to substrate condition and wastages.

STORAGE

Boscolastic has a shelf life of at least 12 months. Store all materials in a cool dry place, in an elevated condition.

PRECAUTION

- Never apply more than 4 kg/m² of Boscolastic in one single layer.
- Never apply onto substrates with bitumen and polyurethane coating finishes.
- Apply only to clean, sound substrates – surfaces should be well dampened but free of surface water and leaks.
- Boscolastic is not a decorative treatment. This does not affect the quality of the coating in any way. Where a decorative finish is required, overpaint Boscolastic with any approved protective and decorative coatings.
- Never exposed finished Boscolastic under direct sunlight.

HEALTH AND SAFETY

Suitable protection clothing, dust masks, gloves and eye protection should be worn. Continual or extended contact with cement products can cause skin irritation. If skin irritation occurs, flush skin with water for a minimum of 15 minutes. If irritation still persists, consult medical advices.

It is recommended to keep each coat at a wet film thickness of 1 mm and no more than 1.5 mm.

Disclaimer: The information detailed in this data sheet is liable to modification from time to time in the light of experience and normal product application, and therefore customers are advised to check with Bostik Holding Hong Kong Limited, quoting the reference number that they possess the latest issue. The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik Holding Hong Kong Limited be liable to anyone except for replacement of the products or refund of the purchase price.

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